

OYCO
4-26-01 228D

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/820,003

DATE: 04/10/2001
 TIME: 17:01:39

Input Set : A:\Seqlist.txt
 Output Set: N:\CRF3\04102001\I820003.raw

2
ENTERED

4 <110> APPLICANT: MERKULOV, Gennady et al.
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
 7 NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
 8 PROTEINS, AND USES THEREOF
 10 <130> FILE REFERENCE: CL001196
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/820,003
 C--> 12 <141> CURRENT FILING DATE: 2001-03-29
 12 <160> NUMBER OF SEQ ID NOS: 4
 14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 1405
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Human
 21 <400> SEQUENCE: 1
 22 aaggcatatgc tgagtgcggc ggctgctgat tgggtttag gggacggagt agggaaagac 60
 23. gtttgccttc ccggAACAGC ctatctcatt ecTTTCTTC gattaccCGT ggcgggaga 120
 24. gtcaggcgcc cggctgcggc agcaaggcg gcgggtggcg cggcggcAGC tgcagtgaca 180
 25 tgcggccatc gaatcccggaa tatgattatt tattcaagtt acttctgatt ggcactcag 240
 26 ggggtggaaa gtcttgccctt cttcttaggt ttgcagatga tacatataca gaaagctaca 300
 27 tcagcacaat tgggtggat ttcaaaataa gaactataga gttagacggg aaaacaatca 360
 28 agcttcAAAT agagtccttc aataatgtta aacagtgcgt gcaggAAATA gatcgTTATG 420
 29 ccagtgaaaaa tgcaacaaaa ttgttggtag ggaacaaatg tgatctgacc acaaagaaag 480
 30 tagtagacta cacaacacg aaggaaattt ctgattccct tggaaattccg tttttggaaa 540
 31 ccagtctaa gaatgcacat aatgttagaa acgtttccat gacgatggca gtcggatTTA 600
 32 aaaagcgaat gggccccgg acaacagctg gtgggtctga gaagtccaaat gttaaaattc 660
 33 agagcaactcc agtcacAGCAG tcaggtggag gttgctgta aaatttgcc ctatccttt 720
 34 ctcacAGCAAA tgaatttgca atctgaaccc aagtggaaaaa acaaaattgc ctgaaattgt 780
 35 ctgtatgttag ctgcactaca acagattctt accgtctcca caaaggTCAG agattgtaaa 840
 36 tggtaatac tgactttttt ttattccct tgactcaaga cagctaaCTT cattttcaga 900
 37 aotgttttaa acctttgtgt gtgggttat aaaaataatgt gtgtatccct tgggtcttc 960
 38 ctgataccag actgtttccc gtgggtgggtt agaatatatt ttgtttgat gtttatattt 1020
 39 gcatgttttag atgtcagggt tagtctctg aagatgaatg tcagccattt tgatcaaac 1080
 40 agcacaagca gtgtctgtca ctttccatgc ataaatgtta gtggatgtt atatgtaaa 1140
 41 tctgatttgc tagttcttc ttgttagagtt ataaatgaa agattacact atctgattaa 1200
 42 tagttcttc atactctgca tataattttgt ggctgcagaa tattgttaatt tggcactcac 1260
 43 tatgttaacaa aacaactgaa gatatgtta ataaatattt tacttattgg aagtaaaaaaa 1320
 44 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
 45 aaaaaaaaaa aaaaaaaaaa aaaaa 1405
 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 173
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Human
 52 <400> SEQUENCE: 2
 53 Met Ser Ser Met Asn Pro Glu Tyr Asp Tyr Leu Phe Lys Leu Leu
 54 1 5 10 15
 55 Ile Gly Asp Ser Gly Val Gly Lys Ser Cys Leu Leu Leu Arg Phe Ala
 56 20 25 30

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57 Asp Asp Thr Tyr Thr Glu Ser Tyr Ile Ser Thr Ile Gly Val Asp Phe
58          35           40           45
59 Lys Ile Arg Thr Ile Glu Leu Asp Gly Lys Thr Ile Lys Leu Gln Ile
60          50           55           60
61 Glu Ser Phe Asn Asn Val Lys Gln Trp Leu Gln Glu Ile Asp Arg Tyr
62 65          70           75           80
63 Ala Ser Glu Asn Val Asn Lys Leu Leu Val Gly Asn Lys Cys Asp Leu
64          85           90           95
65 Thr Thr Lys Lys Val Val Asp Tyr Thr Thr Ala Lys Glu Phe Ala Asp
66          100          105          110
67 Ser Leu Gly Ile Pro Phe Leu Glu Thr Ser Ala Lys Asn Ala Thr Asn
68          115          120          125
69 Val Glu Gln Ser Phe Met Thr Met Ala Ala Glu Ile Lys Lys Arg Met
70          130          135          140
71 Gly Pro Gly Ala Thr Ala Gly Gly Ala Glu Lys Ser Asn Val Lys Ile
72 145          150          155          160
73 Gln Ser Thr Pro Val Lys Gln Ser Gly Gly Gly Cys Cys
74          165          170
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78 <211> LENGTH: 46050
79 <212> TYPE: DNA
80 <213> ORGANISM: Human
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: (1)...(46050)
85 <223> OTHER INFORMATION: n = A,T,C or G
87 <400> SEQUENCE: 3
88 ttttgggt gtgtgtgtgt gtgcctttac tagtgactca ggtcacagtt 60
89 ttctgagatt ttttttcctcc cctcaagaca gaatcttgt ctgtcgccc ggttggagt 120
90 cagttggccctc tcggcccaact gttagctccg cttccccgggt tcaagcaatt ttctgcctc 180
91 agcctcccgaa gttagctggga ttacaggcac ggcaccat gcctggctaa tttttgtatt 240
92 ttttagtagag acagtgtttc accatgttgg ccaggctgggt ttgttaattcc tgacctcg 300
93 atctgtccgt tttggccctc caaatccctg agattacagg catgagccac cgagcctggc 360
94 cagttttctg agtttttatt taaaatcaaa ataagctttt tttttttttt taatgggctt 420
95 tagatgtccag ggttaacgaaac actttttgtt gcttattactt gaaaccattca gggatttcct 480
96 ggggtgggtga cctgttcatc ttccagaacc aacatgttca ttccagaacc ccaaactcg 540
97 taacttttcata taaggccatc aactaaggcc catggcagaa ttggagggtt aagggtgt 600
98 attagtgtat gggttagaaat aagtgccttc ttcttatatt ttgggttggt aggaaattaa 660
99 agtgattctg cagtaagtct caggagacaa ttttcttagt ttctttagt tggaaagataa 720
100 actttggaca atgttattaca ctatgccctt tggataaaa taactcaaga taatgtgtt 780
101 aagttagcg gagattttaa ttccctgagct gattaaagag agctgttaag gccatagttt 840
102 tttaaaaaat gaggtaatat tactcccaga aattgttaggc actatatagt gatgaattgc 900
103 atattttat tgcttattat ttccctgtc tgcagaatgg ctcaagggtt aatggcaacta 960
104 aaagataata cattacaattt caacctgaaag gcccggacgaa aggttaggaat tggattttag 1020
105 gctggctctg ggctgtgtcc ctcccatcca tggatgtgg accattgaa gtttgggg 1080
106 tcacatgc aatggctgtct cagaaagatc catccgactg tggatgtccaa tggctgggg 1140
107 cggagaagag agagagaggtt agagtccatt tggagactac tgcataatgcc aggtgtacg 1200
108 gtttagagcg gggcacagta agaatggaa gaaatctaag aagaaaatgg tagtgcgcgg 1260
109 gccaacaat ggacatgac cgaaccagg tggatggg tgagtacgaa gaagaaccgc 1320

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/820,003

DATE: 04/10/2001
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Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\04102001\I820003.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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